

Title (en)
Communication apparatus and allocation determining method

Title (de)
Kommunikationsvorrichtung und Zuweisungsbestimmungsverfahren

Title (fr)
Appareil de communication et procédé de détermination d'attribution

Publication
EP 2096896 A3 20110622 (EN)

Application
EP 09153925 A 20090227

Priority
JP 2008051157 A 20080229

Abstract (en)
[origin: EP2096896A2] A communication apparatus for communicating via a frame containing a plurality of first type blocks into which pilot information is inserted and a plurality of second type blocks into which control information or data is inserted, the communication apparatus including a channel estimation accuracy predicting unit for predicting channel estimation accuracy of each of the plurality of second type blocks based on channel estimate values of the plurality of first type blocks in the frame. The communication apparatus includes an allocation determining unit for determining an allocation based on priority information containing a priority of each type of the control information and data such that control information or data of a higher-priority type is inserted into a block among the plurality of second type blocks with higher channel estimation accuracy.

IPC 8 full level
H04W 72/12 (2009.01)

CPC (source: EP US)
H04W 72/542 (2023.01 - EP US); **H04W 72/56** (2023.01 - EP US)

Citation (search report)

- [Y] EP 1892911 A2 20080227 - NEC CORP [JP]
- [Y] US 2007140190 A1 20070621 - RENSBURG CORNELIUS V [US], et al
- [A] MOTOROLA: "Further Topics on Uplink DFT-SOFDM for E-UTRA", 3GPP, vol. 3GPP TSG RAN WG1 42bis, 10 October 2005 (2005-10-10) - 14 October 2005 (2005-10-14), Sophia-Antipolis CEDEX, France, pages 1 - 24, XP002636308

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2096896 A2 20090902; EP 2096896 A3 20110622; EP 2096896 B1 20140402; JP 2009212607 A 20090917; JP 4545806 B2 20100915; US 2009219877 A1 20090903; US 8737315 B2 20140527

DOCDB simple family (application)
EP 09153925 A 20090227; JP 2008051157 A 20080229; US 39445709 A 20090227